

# NORTHWOODS JOURNAL – AUGUST 2019

*A Free Publication about Enjoying and Protecting Marinette County's Outdoor Life*

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## ***Upcoming Prairie Walk at Harmony Arboretum***



A prairie walk will be held on **Wednesday, August 7, from 6:00-8:00 p.m.** to learn more about our native prairie ecosystems and the plants and animals that live there. It's a beautiful time of year for prairie plants and many are in bloom. Led by Northern Lights Master Gardeners / native plant enthusiasts Linda Warren and Adrian Konell, you'll see a great variety of native prairie plants. Wear good walking shoes and insect repellent is recommended.

For information about these programs and more, see the Harmony Arboretum Calendar on page 8, or call the Land & Water Conservation office at 715-732-7780, or visit [www.marinettecounty.com](http://www.marinettecounty.com). The Harmony Arboretum is located 7 miles west of Marinette, ½ mile south of State Highway 64 on County Road E. It's open to the public year-round and free!

## **14<sup>th</sup> Annual Sand Lake Conservation Camp**

by Anne Bartels, Information & Education Specialist, LWCD



The 14<sup>th</sup> annual Sand Lake Conservation Camp held at Camp Bird near Crivitz was again a success this year, with 77 campers - representing 25 Wisconsin and 1 Upper Michigan Counties - and 22 dedicated overnight camp staff. This event is for youth going into 6-8<sup>th</sup> grade in the fall and is organized by the Marinette County Land & Water Conservation Division (LWCD). Conservation Camp provides positive educational outdoor experiences, fosters an appreciation for nature, and introduces a variety of natural resources and conservation career opportunities to youth.

Core topics presented by Marinette County staff included aquatic macroinvertebrates, reptiles & amphibians, and water pollution/conservation. Evening presentations were given by Wisconsin Department of Natural Resources Fisheries Biologist Chip Long and Conservation Wardens Tim Werner and Dale Romback. They spoke about their careers, educational backgrounds, and tools they use in their jobs (below).



Kim Diedrich, Jody Sperduto and staff from the Bay Beach Wildlife Sanctuary in Green Bay brought several native Wisconsin animals and discussed wildlife rehabilitation & conservation issues. All-camp cabin competitions included a campfire building contest, a scavenger hunt, and "Conservation Jeopardy", a culmination activity designed to cover information from the presenters and programs. Campers also enjoyed plenty of free time for fishing, swimming, boating, and socializing.

Other available 'camper's choice' activities included wilderness survival skills, canoeing & kayaking, archery, tee-shirt design, outdoor first aid, spinner making, and teambuilding/low-ropes challenge course activities. New choice session options this year were nature journaling, nature photography, and monarch butterflies. Choice activities were presented by Marinette County camp staff and guest speakers. The Timber Wolf Information Network

presented two sessions on wolf ecology, and staff from the Raptor Education Group, Inc. taught sessions on raptor rehabilitation. The Bay Area Mounted Search & Rescue (BAMSAR) returned for sessions about how they help local law enforcement with wilderness searches, event crowd control and security.



Above – REGI staff show an Eastern Screech Owl; below, searching for monarch butterfly eggs on milkweed plants



Camper scholarships were provided this year by several organizations and counties. Sponsors included the Marinette County Chapter of Trout Unlimited; Phoenix Falls Chapter of the Wisconsin Woodland Owners Association; the Fond du Lac Audubon Society; and the Wisconsin Land + Water Conservation Association. In addition, Land & Water Conservation Departments in Douglas, Oneida, Columbia and Forest Counties joined Marinette County in providing scholarships. Thank you to everyone who helped with Sand Lake Conservation Camp 2019 and for making it another successful event!



A newly-emerged dragonhunter dragonfly

For more information about Sand Lake Conservation Camp, contact Anne Bartels, Information & Education Specialist, at 715-732-7784 or [abartels@marinettecounty.com](mailto:abartels@marinettecounty.com). Tentative dates for 2020 are June 17-19.





## 2019 Annual Field Day

Saturday, August 17 2019  
Marinette County, Wisconsin

Hosted by Tom and Leslyn Jacobs  
2018 Outstanding Tree Farmers of the Year



As husband and wife, parents and foresters, Tom and Leslyn have sustainably managed their Tree Farms since their first purchase in 1984. They have included their family when taking care of the forest land and also when it comes to enjoying the wildlife, forest habitats, and outdoor recreation that their Tree Farms offer.

Tom says "Owning forested land has always been a priority of Leslyn and I. We love managing it and love improving it with the hope of inspiring others to do the same." Join us to see this special example of land stewardship in the Northwoods.

Tours of the Jacobs' "Point Buck Tree Farm" will be by walking hiking trails and riding a wagon through the hills and valleys of the property. Featuring but not limited to: wildlife on the property, prairie species, invasive species control, woods roads improvements discussing: Use of road fabric, culvert installation, and the preparation roads and seeding with the "Tom Jacobs Mix". Other subjects will be forest management techniques for: storm damage salvage, timber sale preparation, timber tax laws and the history of an "open pit" molybdenum mine from 1937.

Some of the terrain will be uneven. Please dress appropriately, including sturdy walking or hiking shoes. Bring a walking stick if desired. The temperature can also change rapidly so plan to bring a light jacket.

Registration for this event is required. Registration fee covers lunch and refreshments, bus transportation to and from The Woods to the field tour site, and a field tour booklet. Learn more at: [www.witreefarm.org](http://www.witreefarm.org).

### Lodging Information:

There are a variety of lodging options in Crivitz and surrounding areas:

- Pines Motel (Just south of Middle Inlet) 715-854-7986
- Crivitz Lodge (In Crivitz) 715-854-7014
- Popp's Resort (West about 3 miles) 715-757-3511
- Exxon Quick Stop & Motel (10.5 miles north of Crivitz) 715-856-5386
- Sky Harbor 2 (2 miles north of Crivitz) 715-854-3400
- Bear Point Yacht Club & Motel (16 miles northeast of Crivitz) 715-856-5092

*Note: August is a busy tourist month in northern Wisconsin. If you are traveling from out of town please make your lodging arrangements ASAP.*

### AGENDA (Tentative and subject to change)

- ✓ 8:00 - Check-in at the Woods; Silent Auction Begins
- ✓ 9:00 - Welcome to the Jacobs Tree Farm
- ✓ 9:30 - Load buses
- ✓ 10:00 - Stations and wagon tour
- ✓ 12:30 - Lunch
- ✓ 1:30 - Afternoon Program; Silent Auction Ends
- ✓ 2:00 - Conclusion and Farewells

### Directions to The Woods:

10508 Kottke Rd, Crivitz, WI 54114  
From Crivitz drive north on Hwy 141 4.2 miles to the intersection of Hwy 141 and County X. Take a left (West) and drive 7.5 miles on County X. Take a left turn (South) on Newton Lake Road and drive 1/2 mile to The Woods on the Corner of Kottke Road and Newton Lake Road.

### Silent Auction:

At the event you will have an opportunity to participate in a silent auction to benefit the Wisconsin Tree Farm Program. If you have an item you'd like to donate, please contact Shirley Bargander at 715-302-5368 or [smbargander@gmail.com](mailto:smbargander@gmail.com) or Tom Jacobs at 715-966-6073 or [trees.trails@gmail.com](mailto:trees.trails@gmail.com).

**Questions?** Please contact Bill Klase, UW-Extension, at 715-365-2658 or email [william.klase@wisc.edu](mailto:william.klase@wisc.edu).

### To register, see below:

**Registration is required & space is limited so please register soon!**

Cut out & mail registration form and payment to:  
Bill Klase  
107 Sutliff Avenue  
Rhineland, WI 54501

=====  
Name(s):  
Address:  
Phone:  
Email:  
Registration Fee Enclosed:  
**\$20.00/person OR \$30.00/couple Children 14 and under are free!** Number attending Amount Enclosed - \$\_\_\_\_\_

**Checks payable to:** Wisconsin Tree Farm Committee, Inc.

**Check if you require special accommodations:**  
Wheelchair access ☐

Dietary restrictions: Dairy-free ☐ Gluten-free ☐

Other—please specify:

*Registration and special accommodation requests **must be received before August 9, 2019** to guarantee the request.*

**To register online by credit card:**  
[bit.ly/witreefarmfieldday2019](http://bit.ly/witreefarmfieldday2019)

A small convenience fee will apply for this service. This event has no procedure for the refund of any or all registration fees paid. Registration is non-refundable.



## New Land Information Department Staff Member - Andy Brann, Property Listing



Meet our newest staff member to the Land Information Department, Andy Brann. His official title is Property Listing Specialist II. Read more about Andy below!

I have always been a person of nature. Growing up in the city I could not wait until the weekends to go up to the cabin and be outdoors. Whether it is swimming, boating, riding ATVs and snowmobiles, or just going for a walk in the woods, if it's nice out I'm outside. After high school I found a summer job in Crivitz with a local Land Surveyor. I didn't know much about Land Surveying but I knew I would be outside so I was all good with that line of work. It didn't take me long to figure out that I loved this occupation and needed to further my education and pursue a career in Surveying.

I attended NWTC while continuing to work and received my associate's degree in Civil Engineering /Surveying. The 13 great years of surveying that followed held some of the greatest experiences in my life. Surveying allowed me to see a lot of the country in Northeast Wisconsin. Every day was a new location and a new experience. The love of surveying and the experience I received from dealing with property led me to where I am today.

In December I started my new adventure and career with Marinette County in their Property Listing Department. While it brings new experiences and new challenges every day it still has much to do with surveying and allows me to use my knowledge to best help the people dealing with property in my community. I always enjoy new adventures and using my past experiences to help me along the way. I am thankful for where I have been and excited to where the future brings me and couldn't be happier than where I am today.





## Area Farmers' & Flea Markets



**Crivitz Flea & Farmers' Market:** Open every Thursday from May 23 through August 29, 8am-4pm across from St. Mary's Catholic Church at 800 Henriette Avenue. Wide variety of vendors with handmade arts & crafts, antiques, collectables and much more! Contact Barbara Uhl at 715-854-2030 to rent space by day or season up to first market date. Bonus Flea Market – July 4, 8am – 4pm.

**Stephenson Island Out to Lunch:** Will be at Stephenson Island, north on Hwy. 41 off the Interstate Bridge between WI & MI border. Every Wednesday, beginning on June 19 from 11 am to 1 pm. Includes Farmers Market. For more information 715/732-4333.

**Menominee County Farm & Food Exchange:** Saturdays 9 am-noon outside by the Jack's Fresh Market grocery store at 1207 8th Ave., Menominee MI (just over Interstate Bridge to the right). On Facebook or call 906-639-3377.

**Menominee Historic Downtown Farmers Market:** June 1 to September 28, Saturdays 9am-noon. Located at 800 1st Street (near the library) in Menominee, MI. Contact Lucy Pier, 906-863-8718 for more information. Online at [www.menomineefarmersmarket.com](http://www.menomineefarmersmarket.com).



### Northwoods Journal Volume 17, Issue 3

The *Northwoods Journal* focuses on various outdoor recreation opportunities and local environmental topics to inform readers about natural resource use, management, and recreation in Marinette County.

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- Marinette Co. Land & Water Conservation
- Marinette Co. Parks & Outdoor Recreation
- Marinette Co. UW-Extension

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Please send comments to:  
Marinette County LWCD  
1926 Hall Ave, Marinette, WI 54143  
[abartels@marinettecounty.com](mailto:abartels@marinettecounty.com)

## WI Land+Water Hosts Successful Youth Conservation Camp at North Lakeland Discovery Center in Manitowish Waters

By Kim Warkentin, Youth Education Director, Wisconsin Land+Water Conservation Association

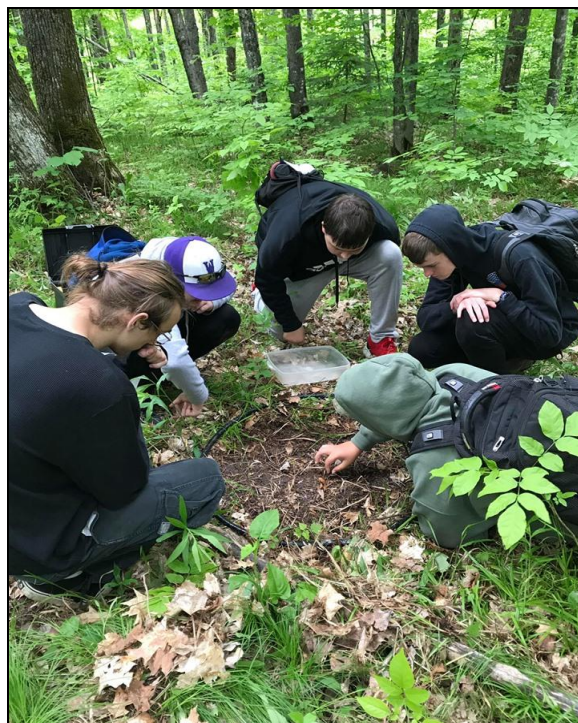


2019 Campers and Staff at Corrigan's Lookout

This year's WI Land+Water Youth Conservation Camp was held June 17-20, 2019 in Manitowish Waters at the North Lakeland Discovery Center for students entering 9-12<sup>th</sup> grades. Twenty-five students from across the state attended camp and had a wonderful time learning about conservation stewardship, lots of fun outdoor experiences and making friends. This year's camp had a number of returning campers as well as graduates from Sand Lake Conservation Camp.



Campers kicked off the week with a canoe and t-rescue lesson, team building exercises (above), journaling, t-shirt tie dying and building bluebird houses. Other fun activities included a hike to Corrigan's Lookout, learning about terrestrial invasive species (below) and lunch at Lake Superior. The day wrapped up with a hike to Superior Falls' waterfall. Later that night campers had the opportunity watch two movies, *Charlie and the Curious Otters* about an Otter rescue and rehab facility, and *Our Planet, Frozen Worlds* learning how climate change is impacting the polar bears, walruses, seals and penguins.



A daylong canoe trip down the North fork of the Flambeau River was filled with campers showing off their canoe skills while traversing a few challenging rapids. The lunch break was spent with Sue Reinecke, fisheries biologist at U.S. Forest Service, who talked about streambank restoration projects on the Flambeau River. The night ended with tasty s'mores, conservation talk and singing around the campfire. Camp wrapped up with a hands-on lesson about bird banding and an ecology talk and hike through a local bog with Carol Warden, an invasive Species Outreach Specialist with UW-Trout Lake Station (below). Before campers packed up for their trip home, fishing awards were presented to the campers who showed off their fishing skills throughout the week.



A special thanks to Iron, Shawano, Portage, Sauk, Langlade County Land +Water Conservation departments and the Green Bay Chapter of Trout Unlimited for providing scholarships for our campers, all of the resource professionals who spent time talking about their conservation projects and jobs and to our camp counselors from Iron, Shawano and Portage counties who put a lot of time into developing a fun week of conservation activities. Best of luck to our graduates and thanks for a great week up North! Please visit our Facebook page where you can view more camp photos - WI Land+Water Youth Education and <https://wisconsinlandwater.org/events/youth-conservation-camps>.





## August is National Water Quality Month

<http://www.accentnatural.com/august-is-national-water-quality-month>



August is **National Water Quality Month**. The end of the summer is a good time to reflect upon this valuable resource and how important it is to our daily lives. Indeed, there are some who are concerned World War III will be fought over water.

Our bodies are 60% water, so we need non-contaminated water to stay healthy and to be vital residents of this Earth. Unfortunately, maintaining water quality is not an easy undertaking because of the huge amount of pollution which occurs from its use by manufacturing and the oil industry, and from the collateral damage often caused by farming. **Non-Point source pollution is one of the largest water quality problems in the USA.**



### What can we do?

Although we can have little impact as one household, as a group of households we can have a big impact. Here is a list of things we can do to make a difference; some of them surprising:

- Plant native trees, shrubs, forbs and grasses \*
- Replace non-porous paving with porous paving where appropriate
- Avoid using antibacterial soaps and cleaning products; use non-toxic household products
- Repair leaky faucets
- Turn off the faucet when you brush your teeth and in between rinsing dishes and fruits and vegetables
- Do not hose down; sweep driveways, sidewalks, gutters and patios
- Do not use chemical fertilizers or pesticides on lawns and gardens unless absolutely necessary
- Install cisterns and rain barrels to collect water for use on your lawn and gardening
- Install cisterns, rain barrels and rain gardens to collect water to keep it from overflowing into sewers \*\*



- Reduce lawn area
- Mow grassy areas responsibly and only as necessary \*\*\*
- Irrigate and water responsibly \*\*\*\*

- Make certain all hoses have shut-off nozzles to prevent leaks and unnecessary water use
- Mulch traditional non-native plantings
- Group plants according to their water needs; use drought-tolerant plants
- If you wash your own car, do so over grass or gravel to prevent contaminated water from going directly into sewers
- Do not pour anything other than water down storm sewers
- Do not flush unused and outdated medications down the toilet; take to a disposal center
- If you change your own car's oil, do not drain on the ground; dispose at the local landfill
- Scoop up and discard into garbage receptacles your pet's poop
- Do volunteer to help your community keep the streets, rivers, wetlands and beaches clean of debris
- Do spread the word about the importance of clean water. Water is life!
- Remember — water that enters storm sewers goes into our waterways before the treatment plants!
- Remember — the more contaminated water goes into the treatment plant, the more it costs to make it potable again!



\* Native plants evolved with the environment in which they are native. Hence they require no additional water, no fertilizers, no pesticides. But remember! A native plant out of place is no longer a native plant.

\*\* Cisterns, rain barrels and rain gardens help collect excess runoff from roofs, driveways and sloped yards. That water can then be used to irrigate lawns and gardens; even wash cars. There are countless ways this saved rain water can be used instead of using potable drinking water.

\*\*\* The taller the grass is allowed to grow, the deeper the roots. The deeper the roots, the more efficient the nutrient and water intake. Tall fescue, bluegrass, ryegrass and some of the warm season grasses will endure heat, drought and other environmental stresses easier if they are maintained at 3" or 4" all year. Never cut off more than 30% off the grass blade. More than 30% will reduce its photosynthesizing surface area too much and it will direct nutrients and energy toward rebuilding its leaf blades instead of growing its root system. Mow only when your lawn needs mowing and with a sharp blade, so grass stays healthy. Most of the nutrients in the grass blades are concentrated in the tips; mow so you're recycling the clippings as fertilizer instead of bagging them to prevent thatch.

\*\*\*\* If using spray irrigation, do not water lawn except in the cool morning to avoid evaporation. Do not water pavement. Use drip irrigation so water goes directly to the roots of the plants.



## Local Schools Install New Pollinator Gardens

In June and July, teachers from Wausaukee and Crivitz Elementary Schools installed small pollinator gardens with the help of Anne Bartels of the Marinette County Land & Water Conservation Division. Teachers will use the gardens to educate students about native plants and pollinators, as well as for various activities & projects. The gardens will also be used to educate other students, school staff, and visitors about the importance of pollinators.



Above: Wausaukee main entrance, before; below, the installed garden - Sue Zahorik and Donna Pintarelli are the teachers at Wausaukee who helped get the project underway



Educational materials and information will be available for teachers to use in curriculum planning and develop students' interest in natural ecosystems and general life sciences, as well as other potential subjects such as art, math, and history.



Above: Jodie Pusick, Crivitz 2<sup>nd</sup> grade teacher, with her children helping install plants; below, the finished garden right outside the classrooms





## 5 Facts About Bumble Bees and How to Help Them

<https://blog.nwf.org/2014/04/5-facts-about-bumble-bees-and-how-to-help-them/>

If asked to name a key pollinator in the United States, you're likely to think first of the honey bee. Native to Europe, honey bees were introduced to North America during the 1600s and have been busily pollinating our crops and other plants ever since. But native bees play critical roles as pollinators as well, and among these indigenous insects, bumble bees are the champs.



**Here are a few more facts you may not have heard about bumble bees:**

1. Unlike most native bees, but like honey bees, bumble bees are social insects that live in colonies. Usually located underground, particularly in abandoned holes made by rodents, bumble bee nests contain between 50 and 500 individuals.
2. Except for new queens, which hibernate during winter, bumble bee colonies die in late fall. Queens overwinter in small holes just beneath or on the ground's surface, emerging in spring to create new colonies they begin by laying eggs.
3. Bumble bees do not produce honey, but pollination services they provide are worth more than that product would yield. Commercially traded bumble bees have become big business during the past two decades as demand for bumble bee-pollinated berries, peppers and, especially, hothouse tomatoes has skyrocketed.
4. Bumble bees' wings beat 130 or more times per second. That ability, combined with their large size, enables the bees to perform a unique service, "buzz pollination" (vibrating flowers until they release pollen), that helps plants produce more fruit. The insects' size also allows them to generate heat, so bumble bees can fly earlier and later in the day, as well as to cooler, higher altitudes, than can honey bees.
5. Bumble bees are in trouble. According to an article, "The Buzz About Bumble Bees," in the current issue of National Wildlife, four once-common, widespread North American species have vanished from large portions of their former ranges. A fifth may already be extinct. Scientists report similar losses across Europe, South America and Asia.



Bumble bees face many threats, including habitat loss, pesticides, introduced diseases, climate change and competition from honey bees, says Sarina Jepsen, endangered species program director for the Xerces Society for Invertebrate Conservation and deputy chair of the IUCN Bumble Bee Specialist Group. A new, not-yet-published analysis conducted for IUCN concludes that up to a third of North America's nearly 50 bumble bee species are declining.

### Helping Bumble Bees at Home

The good news is that all of us - particularly wildlife gardeners - can help bumble bees in and around our own homes. Here are some of the most important steps you can take:

- **Provide pollen and nectar for food.**  
Active from early spring through late fall, bumble bees need access to a variety of nectar- and pollen-producing flowers so food will be available throughout all stages of the insects' life cycle. Native plants are best because they have coevolved with indigenous bumble bees.
  - **Ensure bumble bees have nesting sites.**  
Most bumble bees nest underground in holes made by larger animals, while others nest aboveground in abandoned bird nests, grass tussocks or cavities such as hollow logs or spaces beneath rocks. In gardens, they may also use compost piles or unoccupied birdhouses.
- 
- **Protect hibernation habitat.**  
Because most queens overwinter in small holes on or just below the ground's surface, avoid raking, tilling or mowing your yard until April or May. If you do need to mow, do so with the mower blade set at the highest safe level.
  - **Eliminate pesticides.**  
Both insecticides and herbicides should be avoided. In particular, steer clear of systemic pesticides such as neonicotinoids, which are taken up by the vascular systems of plants. This means bees and other pollinators are exposed to the poison long after a product has been applied when they feed on the plants' nectar and pollen.
  - **Help scientists study bumble bees.**  
Report the bees you see in your yard or community to Bumble Bee Watch, a new citizen-science project sponsored by the Xerces Society and five North American partners.
  - **Garden for Bumble Bees.**  
Establish or improve your habitat for bumble bees and other native wildlife.



<http://wiatri.net/inventory/BBB/>

The Wisconsin Bumble Bee Brigade is coordinated by the Wisconsin Department of Natural Resources. As a citizen-based monitoring project, we partner with volunteers from the public to conduct long-term monitoring of the state's native bumble bees.

The mission of the Bumble Bee Brigade is to improve our understanding, management, and conservation of Wisconsin bumble bees.



In Wisconsin and throughout the world, many bumble bee species are in decline. Of the twenty bumble bee species that are found or have been found historically in Wisconsin, one is listed as federally endangered, seven are considered state species of greatest conservation need (SGCN), and an additional three are classified by the state as species with information needs (SIN).

Much remains unknown about the distribution and biology of all Wisconsin's bumble bee species. Accurate information on species distributions, habitat requirements (especially overwintering habitat), phenology, and population status are needed to improve conservation planning and management actions of these important pollinators.

### Objectives:

- Develop an accurate map of species distributions
- Identify species-habitat associations
- Assess habitat conditions and determine conservation threats
- Determine baseline population status and monitor trends over time

We need your help to monitor our native bumble bees! The Wisconsin Bumble Bee Brigade is a photography-based volunteer monitoring project. As a volunteer, you will submit photos and additional information on the bumble bees that you observe. Visit the website above and click "Get involved" on the top menu bar for more information.



Other sites to learn about bees:

- <https://www.beesponsible.com/>
- <https://xerces.org/bees/>
- <https://www.nwf.org/Educational-Resources/Wildlife-Guide/Invertebrates/Bees>





## Eurasian Watermilfoil Proves to be a Persistent Foe

By Chuck Druckrey - Water Resource Specialist, Land & Water Conservation Division

If you know anything about aquatic invasive plants you have probably heard about **Eurasian watermilfoil** (EWM), an invasive lake weed that grows aggressively, often forming an impenetrable mass that out-competes native species. The first official report of EWM in the state occurred in 1962 when it was discovered in Madison's Lake Mendota. Since that time EWM has been spreading northwards, invading dozens of new lakes every year. The tale of EWM in Wisconsin provides a cautionary tale about the difficulty of eradicating invasive species and the cost we pay in time and dollars managing their populations.



The first report of EWM on an inland lake in Marinette County came in 1991 when it was discovered in Thunder Lake near the boat landing, where it was likely introduced as a plant fragment clinging to a boat trailer that had recently been in Green Bay or another infected water. Since that time, EWM has spread to 30 additional Marinette County lakes and flowages....that we know about! The Marinette County Land & Water Conservation Division (LWCD) has spent more than 25 years working with lake groups and the Wisconsin DNR trying to prevent the spread of EWM and managing it when it invades county lakes. During that period the LWCD has used almost every tool in the box, and helped developed some new ones, to manage EWM.



Early efforts included bottom barriers installed in Thunder Lake to smother the plants and prevent new ones from becoming established. The effort proved to be much more work than anticipated and control was short-lived as new sediment soon covered the bottom barrier and supported new EWM. From 2001-2005 The Thunder Island Eagle Lakes Association experimented with Bio-control efforts by stocking a native weevil that eats EWM. Unfortunately, it turns out panfish like to eat milfoil weevils so the beetle population never had a chance to grow.

In Beecher Lake, the LWCD has worked with the Lake District for more than a decade to control a very aggressive EWM infestation. First using aquatic herbicides, then conducting periodic winter drawdowns to expose the sediment and freeze-out the EWM. The winter drawdown has been effective, but the practice is limited to lakes that have a dam for water level control and reservoirs.

In the search for innovative ways to manage EWM, Marinette County was one of the first organizations in Wisconsin to build and use a **Diver Assisted Suction Harvester** (DASH). The DASH boat allows divers to pull EWM by the roots and feed the plant into a suction hose where it is transported to a boat on the surface for disposal (see picture at top of next column). While effective, the practice is very labor intensive. For this reason, DASH is primarily limited to controlling scattered EWM plants such as those found in a new invasion or as a follow-up after other control measures.



Throughout Wisconsin, aquatic herbicides have been the primary means of controlling EWM. In many lakes it has been the only effective management tool. One Marinette County lake has been on the cutting edge of herbicide research. When EWM was found in Lundgren Lake in 2014, the LWCD and Wisconsin DNR recognized it was an ideal lake to include in a state-wide study of low-dose 2,4-D treatments. In the study, 2,4-D was applied to the entire lake at low concentration in the spring before many of the native plants were growing. The treatment was successful and researchers were unable to find EWM in the lake for more than three years. Unfortunately, just when we thought it was safe to say EWM was eradicated, it reared its ugly head, apparently coming from seeds lying dormant in the sediment. In 2018 about 10 plants were found growing in shallow water and removed by hand. In 2019 more than 50 plants were found and removed. The LWCD continues to work with the Lundgren Lake Association to identify and control EWM whenever it is found in the hope that it can still be eradicated.

While often successful, aquatic herbicides are not foolproof. To be effective, they must be applied so that a specific concentration is maintained long enough to kill the target plant without causing unnecessary damage to native species. Small treatment areas and sites with flowing water have been particularly difficult to treat since the herbicide quickly dissipates. In an effort to combat this problem the LWCD has pioneered a new method of conducting aquatic herbicides applications on small treatment sites by controlling herbicide drift and dissipation.

In 2018 the LWCD devised a way to construct inexpensive light-weight barriers that can be deployed in a lake to isolate smaller EWM colonies, which can then be treated with aquatic herbicides. The barriers concentrate the herbicide and prevent it from moving off-site. The LWCD received an Aquatic invasive Species Control Grant in 2019 to build the barriers and study their use. The barriers were tested on Thunder Lake in June and early results are very promising. Additional tests will be conducted next year and aquatic plant populations will be tracked for three years to evaluate the treatment method.



The amount of money and time spent managing EWM in Wisconsin must be staggering. Since 2002 in Marinette County alone the Wisconsin DNR, Local lake groups, and the Marinette County LWCD have spent more than \$450,000.00 controlling aquatic invasive species. An additional \$500,000.00 has been spent in efforts to prevent the spread of AIS. Approximately 75% of all the funds have come from the Wisconsin Lake Management Grant and Aquatic Invasive Species Grant programs. These numbers should convince anyone of the importance of preventing the spread of aquatic invasive species.

## What's New at the Harmony Arboretum?



Since spring there have been some changes and improvements to Harmony Arboretum. The pictures below show a new groundhog display in the underground tunnel (there is also a new mink display); a newly designed hedge maze structure; and more plantings in the recently renovated shade house.



Kestrels have also taken up residence near the Children's Garden since early June, in a nest box attached to one of the fence posts. When visiting Harmony, you can see them hunting over the nearby demonstration prairie.





## Safe Burning – Burn Responsibly or Don't Burn At All!

From <http://dnr.wi.gov>

Debris burning is the number one cause of wildfires in Wisconsin. Using fire as a method to dispose of vegetative yard waste isn't the only option. While debris burning is legal in most places, let's face it...it's unsafe, unhealthy and a nuisance. If you choose to burn, follow these simple guidelines to ensure you are burning **SAFELY**:

### Before Burning:

- Find alternatives to burning debris *before* deciding to burn
- Obtain proper burn permits and follow any restrictions
- Comply with local ordinances that may be more restrictive than state law
- Make certain you are only burning legal materials (*turn over for a complete list*)
- Keep an eye on the weather and avoid burning under windy conditions
- Make certain the area adjacent to the fire is free of all flammables

### During Burning:

- Have a water source and firefighting tools handy
- Keep the size of the fire small and manageable
- Maintain a mineral soil firebreak around the burn area
- Never leave your fire unattended
- If weather conditions change for the worst, put the fire out. If your fire escapes, dial 911 immediately!

### After Burning:

- Make sure the burn is completely out before leaving
- Use lots of water, drown, stir and repeat until cold
- Go back and check again later for any remaining smoke or embers
- Fun fact: use cold ashes from your burn as a bed for your garden. It makes a great fertilizer!

### What can I burn with my DNR burning permit?

#### Allowed:

Brush, Leaves, Pine needles, Grass, Clean wood, Unrecyclable paper\*, Unrecyclable cardboard\*

\* Recycling of clean paper and cardboard is required by law!

#### NOT Allowed:

Garbage, Plastics, Shingles, Foam, Structures, Furniture, Wire, Metal, Electronics, Vinyl products, Rubber products, Oil-based products, Painted, Stained or treated wood

### Alternatives to Burning

**REUSE** - Find someone else who can use it, have a yard sale or donate. Bring reusable shopping bags to the grocery store. Leave grass clippings on the lawn; they contain nutrients.

**RECYCLE** - Separate newspaper, magazines, cardboard, paper, glass, plastic and aluminum, steel or tin cans.



**DISPOSE** - Discard non-recyclable waste materials at a licensed landfill.

**COMPOST** - Mulch or collect leaves and plant clippings for composting or move brush piles in the woods for wildlife habitat.

**CHIP** - Collect brush and clean wood to make mulch or decorative chips, or use as heating fuel in fireplaces.

**WAIT** - Avoid burning in the spring. The safest time to burn is when the ground is completely snow-covered. Throw a tarp over legal materials and wait until it snows.

**For a DNR burn permit or to check today's burning restrictions:**

[dnr.wi.gov](http://dnr.wi.gov) (keyword "fire")  
1-888-wis-burn (947-2876)

## It's Time for the 2019 Marinette County Fair!

[www.marinettecountyfair.com/](http://www.marinettecountyfair.com/) and [www.facebook.com/MarinetteCountyFair](https://www.facebook.com/MarinetteCountyFair)



The Marinette County Fair is August 22-25 this year at the Wausaukee Fairgrounds. The fair features 4-H and open class exhibits, music, midway entertainment, carnival rides, horse pull, livestock shows and a costume contest, raffles, food, vendors, truck and tractor pulls and the demo derby. Stop in for an old-fashioned good time! Hours: Thu 9am-10pm, Fri-sat 8:30am-10pm, Sun 8am-5pm.

### Marinette County Fair Livestock Exhibitor Costume Contest

August 24th, 2019

6:00 PM in the Show Barn

This year's theme is "Who is your hero?"

- Exhibitors and their animals are asked to dress up as their hero.
- Their hero could be a sports star, their grandparent, a soldier, etc.
- Along with their costumes, they must be prepared to explain to the judges who their hero is and why that person is their hero.

\*Prizes will be awarded in each age division and a pizza party will follow the event\*



### Gate Prices:

Youth fair family passes must be purchased by Thursday, August 2nd from the 4-H Leaders Association designated person. Contact the UW-Extension Office for more information. Only immediate family members, living in the same household may be included.

Advance season tickets may also be purchased.

\$5 per day or \$15 for a weekend pass (Advance Weekend Passes are \$12.00)

\$2 Admission for the day on Sunday August 25th (Family Day)





Area Events Calendar



- May 29

**Area Museums Open.** Marinette & Menominee County Historical Museums, Peshtigo Fire Museum, Amberg Historical Complex, Busville Doll Museum (Crivitz), Land of Oz Museum (Wausauke) & West Shore Fishing Museum (M-35 north of Menominee, MI). Visit <http://therealnorth.com/index.php/features/museums> or call the Marinette/Menominee Area Chamber of Commerce at (715) 735-6681.
- May 23 thru August 29

**Crivitz Flea & Farmers' Market,** every Thursday from May 23, 2019 through August 29, 2019, 8am-4pm located at the St. Mary's Catholic Church parking lot across from the Village Hall at 800 Henriette Avenue. Wide variety of vendors with handmade arts & crafts, antiques, collectables and much more! Contact Barbara Uhl at 715-854-2030 or [buhl@vocwi.com](mailto:buhl@vocwi.com) to rent space by day or season up to first market date.
- June-October

**Out to Lunch,** Every Wednesday, beginning on June 19 from 11 am to 1 pm. Includes Farmers Market. be at Stephenson Island, located North on Hwy 41, off the Interstate Bridge between the WI and MI borders. 2pm-6pm on Fridays No Saturdays. For more information, please call 715/732-4333.
- June-Sept.

**Forgotten Fire Winery Summer Concert Series.** Join the fun every Saturday in June, July, August and September for the outdoor concerts. Music starts at Noon and ends at 4 pm. No carry-ins please. Visit [www.forgottenfirewinery.com/events](http://www.forgottenfirewinery.com/events) for a full listing of artists performing during the 2019 season. In Peshtigo.
- August 1 - 4

**37<sup>TH</sup> Annual Waterfront Festival.** The Menominee Waterfront Festival will be held at the Menominee Memorial Marina. There will be fireworks, parade, entertainment and food. There will also be kid's area with free entertainment. For more information, people may call Susan at Menominee City Hall, 906-863-2261.
- August 1, 8, 15, 22

**Movie in the Park.** Held at the Crivitz Community Veterans Park, 515 Park Place. Begins at 8:45 pm. Community ED provides free water and popcorn. Bring a blanket or chair for seating. Movie cancelled in case of rain. For more information, please contact Jolene Huc at 715-927-3184.
- August 5

**Astronomy at the Arboretum.** The Harmony Arboretum, N3890 County E, Peshtigo, will host an introduction to stars, constellations, star lore and other space-related topics from 7:45 to 9 p.m. The event includes a stargazing tour. People are asked to dress for the weather. Hot beverages will be provided. If there is rain/snow or mostly overcast, the event will be canceled.
- August 7

**Bands at Badger** in Peshtigo. **"New Dixie Ramblers"**. Free musical entertainment, starts at 6:00 pm. Concerts held Wednesday evenings with concessions available at 5 pm. Call 715-582-1141 for more information.
- August 10

**Annual Kid's Day – Free!** Activities for Kids Around Town at these locations and more from 8am to 10pm: Abundant Joy Gifts & Gathering Place Civic Center City Hall Community REC Center Dome Lanes Marinette Fire House Stephenson Public Library Sunrise Early Learning Center Bayshore Nature Trail City Park Red Arrow Park Stephenson Island
- August 10

**Outdoor Movie Night ~** Join us for a Kids' Day Party on the Island beginning at 7pm with the movie to follow -- all apart of Kids' Day in Marinette!
- August 10

**Annual Antique Auto Club Show.** Held at Menominee Memorial Marina Park, Marinette and Menominee Auto Club (bandshell area), 701 1<sup>st</sup> St. Registration is \$5 from 8 to 10:30 a.m., with the show from 8 a.m. to 2:30 p.m. More than 67 trophies will be awarded at approximately 2:30 p.m., including twenty-one auto classes and four motorcycle classes. The show is open to the public for free. Music by "Russes Golden Oldies" will be performed. Spectators can also vote for their favorite motorcycle and or automobile for a \$1 donation, which goes towards the Marinette and Menominee Auto Club Scholarship fund. Food and drink available on the grounds. For more information, people may call 715-582-0347.
- August 13

**Concerts in the Park – Marinette.** 6 – 8 pm, Stephenson Island at the bandshell, Highway 41-Interstate Bridge, Marinette, WI. **"Eddie Larson Band"**
- August 22

**Concerts in the Park.** Great Lakes Memorial Marina in Menominee, MI, 6– 8pm - The event is free of charge. **Community Jazz Ensemble** will be playing.
- August 22

**Bands at Badger.** Badger Park in Peshtigo. **"Rose Brook"**. Free musical entertainment, 6-8pm. Concerts held Wednesday evenings with concessions available at 5pm. Call 715-582-1141 for more information.
- August 22-25

**Marinette County Fair** at the Wausauke Fairgrounds. See page 7 for more information.

Harmony Arboretum  
Schedule of Events

All programs are free and at Harmony Arboretum unless otherwise stated. For more information, call UW-Extension at 715-732-7510 or Land & Water Conservation at 715-732-7780.



- August 5: Astronomy at the Arboretum, 7:45 - 9:00 pm

Introduction to stars, constellations, star lore, and other space-related topics - includes a stargazing tour. Dress for the weather, beverages will be provided; if rain or mostly overcast, event will be cancelled. Call the Land & Water Conservation office at the number above if you want to check the status of the program that day if weather is a concern.
- August 7: Prairie Walk, 6:00 - 8:00 pm

Stroll the 17-acre prairie at Harmony Arboretum with local native plant enthusiasts. Spend an evening learning what constitutes a prairie and why people are creating or restoring them. The trail is about ½ mile and does cover some uneven terrain.



- August 15: Composting at the Home Landscape Level, 6:30 - 8:00 pm

Composting of plant materials is the most natural way to truly recycle the nutrients found in those plants. Extension staff and area Master Composters will share starting & managing compost piles and share great ways to best utilize the end products.
- August 22-25: Marinette County Fair, Fairgrounds in Wausauke

The Extension Marinette County office educators will again have an extensive display of the varied areas of expertise that they offer to the public, along with Master Gardener Volunteers and the M & O Beekeep-ers. Visit them at the Fair in the Main Exhibit Building. See page 7 for more information and photos.

- September 5: Salsa Night 6:00 - 8:00 pm

This fun and flavorful event celebrates America's favorite condiment and the plants we grow from which it is made. Join us as we share safe salsa recipes, growing hints for the vegetables and herbs used in salsa, and a taste bud tantalizing sampling of great salsa recipes. Please consider bringing a batch of your own salsa, or some chips/crackers to share.



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